

ABSTRACT OF THE DISCLOSURE

A laser array imaging lens is disclosed that is formed of, in order from the light-source side: a first lens component with or without a stop positioned at a specified distance on the image plane side of the first lens component, and a second lens component. At least one surface of the laser array imaging lens is an aspheric surface. In addition, one or more anamorphic, aspheric surfaces may be provided and a diffractive optical element (DOE) that is defined by a phase function may be provided, either superimposed on the at least one aspheric surface or formed on another surface of the laser array imaging lens. Preferably, a specified Condition (3) is satisfied so as to reduce aberrations while maintaining the laser array imaging lens so as to be substantially telecentric on the light-source side.

5